

CLAIMS

1. (previously presented) A data processing method for a UDDI registry to enable location of details of services which match service requester requirements, the method of the UDDI registry comprising the steps:

receiving a standard UDDI request to locate service details, the request comprising details of a tModel which defines service requirements specified in a particular language;

locating details of at least one service, the details comprising a tModel which defines service capabilities specified in the particular language;

selecting from a plurality of external matching services an external matching service which is capable of comparing the service requirements and service capabilities, wherein each external matching service is accessed through an interface defined in an interface tModel;

using the external matching service to filter the located details to find those with indicated service capabilities which match the service requirements; and

receiving a request to register a new external matching engine wherein the matching engine implements the interface defined in the interface tModel;

wherein the plurality of external matching services includes the new matching engine.

2. (original) The method of claim 1 wherein the standard UDDI request further comprises service requirements specified in a standard UDDI category, the method comprising the further step of:

finding details of at least one service, the details defining service capabilities which match the service requirements specified in a standard UDDI category;

wherein the locating step locates details of at least one service from those found by the finding step.

3. (cancelled)
4. (original) The method of claim 1 wherein the standard UDDI request is a find_tModel request.
5. (original) The method of claim 1 wherein the particular language is one of DAML-S, UML, and WSDL.
6. (cancelled)
7. (cancelled)
8. (previously presented) A UDDI registry for locating details of services which match service requester requirements, the UDDI registry comprising:
 - means for receiving a standard UDDI request to locate service details, the request comprising details of a tModel which defines service requirements specified in a particular language;
 - means for locating details of at least one service, the details comprising a tModel which defines service capabilities specified in the particular language;
 - means for selecting from a plurality of external matching services an external matching service which is capable of comparing the service requirements and the service capabilities, wherein each external matching service is accessed through an interface defined in an interface tModel;
 - means for using the external matching service to filter the located details to find those with indicated service capabilities which match the service requirements; and
 - means for receiving a request to register a new external matching engine wherein the matching engine implements the interface defined in the interface tModel;
 - wherein the plurality of external matching services includes the new

matching engine.

9. (original) The UDDI registry of claim 8 wherein the standard UDDI request further comprises service requirements specified in a standard UDDI category, the UDDI registry further comprising:

means for finding details of at least one service, the details defining service capabilities which match the service requirements specified in a standard UDDI category;

wherein the locating means locates details of at least one service from those found by the finding means.

10. (cancelled)

11. (original) The UDDI registry of claim 8 wherein the standard UDDI request is a find_tModel request.

12. (original) The UDDI registry of claim 8 wherein the particular language is one of DAML-S, UML, and WSDL.

13. (cancelled)

14. (cancelled)

15. (previously presented) A computer program product comprising instructions which, when executed on a data processing host, cause the data processing host to carry out a method for a UDDI registry to enable location of details of services which match service requester requirements, the method comprising the steps:

receiving a standard UDDI request to locate service details, the request comprising details of a tModel which defines service requirements specified in a

particular language;

locating details of at least one service, the details comprising a tModel which defines service capabilities specified in the particular language;

selecting from a plurality of external matching services an external matching service which is capable of comparing the service requirements and the service capabilities, wherein each external matching service is accessed through an interface defined in an interface tModel;

using the external matching service to filter the located details to find those with indicated service capabilities which match the service requirements; and

receiving a request to register a new external matching engine wherein the matching engine implements the interface defined in the interface tModel;

wherein the plurality of external matching services includes the new matching engine.

16. (previously presented) The computer program product of claim 15 wherein the standard UDDI request further comprises service requirements specified in a standard UDDI category, the method comprising the further step of:

finding details of at least one service, the details defining service capabilities which match the service requirements specified in a standard UDDI category;

wherein the locating step locates details of at least one service from those found by the finding step.

17. (cancelled)

18. (original) The computer program product of claim 15 wherein the standard UDDI request is a find_tModel request.

19. (original) The computer program product of claim 15 wherein the particular language is one of DAML-S, UML, and WSDL.

20. (cancelled)

21. (cancelled)

22. (previously presented) A UDDI registry service for locating details of services which match service requester requirements, providing the UDDI registry service comprising the steps:

receiving a standard UDDI request to locate service details, the request comprising details of a tModel which defines service requirements specified in a particular language;

locating details of at least one service, the details comprising a tModel which defines service capabilities specified in the particular language;

selecting from a plurality of external matching services an external matching service which is capable of comparing the service requirements and service capabilities, wherein each external matching service is accessed through an interface defined in an interface tModel;

using the external matching service to filter the located details to find those with indicated service capabilities which match the service requirements; and

receiving a request to register a new external matching engine wherein the matching engine implements the interface defined in the interface tModel;

wherein the plurality of external matching services includes the new matching engine.

23. (original) The UDDI registry service of claim 22 wherein the standard UDDI request further comprises service requirements specified in a standard UDDI category, providing the UDDI registry service comprising the further step of:

finding details of at least one service, the details defining service capabilities which match the service requirements specified in a standard UDDI category;

wherein the locating step locates details of at least one service from those found by the finding step.

24. (cancelled)

25. (original) The UDDI registry service of claim 22 wherein the standard UDDI request is a `find_tModel` request.

26. (original) The UDDI registry service of claim 22 wherein the particular language is one of DAML-S, UML, and WSDL.

27. (cancelled)

28. (cancelled)